

Gencore version 4.5  
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OM protein - protein search, using sw model

Run on: March 1, 2001, 16:19:16 ; Search time 46.88 Seconds  
(without alignments)  
7.661 Million cell updates/sec

Title: US-09-331-631A-37

Perfect score: 52

Sequence: 1 CXXXCXXXXXXXXXXCXXC 20

Scoring table:

BLOSUM62X  
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA:\*  
2: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS.COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	52	100.0	38	2	US-08-902-516-47
2	52	100.0	41	4	PCT-US96-01720-7
3	52	100.0	47	4	PCT-US96-08811-2
4	52	100.0	55	2	US-08-369-829A-1
5	52	100.0	57	3	US-09-130-121-1
6	52	100.0	61	2	US-08-785-530-1
7	52	100.0	61	2	US-08-785-530-3
8	52	100.0	61	2	US-08-785-530-4
9	52	100.0	61	2	US-08-785-530-5
10	52	100.0	61	2	US-08-785-530-6
11	52	100.0	61	2	US-09-123-850-1
12	52	100.0	61	2	US-09-123-850-3
13	52	100.0	61	2	US-09-123-850-4
14	52	100.0	61	2	US-09-123-850-5
15	52	100.0	61	2	US-09-123-850-6
16	52	100.0	68	1	US-07-696-051B-1
17	52	100.0	68	1	US-07-924-063A-1
18	52	100.0	68	1	US-08-138-340B-2
19	52	100.0	70	3	US-09-188-930-131
20	52	100.0	102	3	US-08-974-022-53
21	52	100.0	109	2	US-08-527-044-2
22	52	100.0	109	3	US-09-013-780-2
23	52	100.0	203	3	US-08-331-625A-11
24	52	100.0	219	2	US-08-816-605-2
25	52	100.0	234	2	US-08-767-026-7
26	52	100.0	255	1	US-08-236-918A-8
27	52	100.0	255	2	US-08-816-605-9
28	52	100.0	255	4	PCT-US96-03965-8

29	52	100.0	257	1	US-08-414-926A-7	Sequence 7, App1
30	52	100.0	257	2	US-08-926-922-7	Sequence 7, App1
31	52	100.0	257	3	US-09-253-682-7	Sequence 7, App1
32	52	100.0	285	3	US-08-482-085B-20	Sequence 20, App1
33	52	100.0	350	2	US-08-999-811-4	Sequence 4, App1
34	52	100.0	350	2	US-08-824-996-2	Sequence 2, App1
35	52	100.0	350	3	US-09-042-105-4	Sequence 35, App1
36	52	100.0	362	1	US-08-415-751-6	Sequence 6, App1
37	52	100.0	415	3	US-08-795-430-11	Sequence 11, App1
38	52	100.0	418	3	US-08-795-430-13	Sequence 13, App1
39	52	100.0	419	2	US-08-999-811-2	Sequence 2, App1
40	52	100.0	419	3	US-09-042-105-2	Sequence 2, App1
41	52	100.0	419	3	US-09-042-105-18	Sequence 18, App1
42	52	100.0	419	3	US-08-795-430-8	Sequence 8, App1
43	52	100.0	419	4	PCT-US96-09001-2	Sequence 2, App1
44	52	100.0	587	1	US-07-955-905A-23	Sequence 23, App1
45	52	100.0				

#### ALIGNMENTS

```
RESULT 1
US-08-902-516-47
; Sequence 47, Application US/08902516
; Patent No. 5891432
; GENERAL INFORMATION:
; APPLICANT: Soc Hoo, William
; TITLE OF INVENTION: MEMBRANE-BOUND CYTOKINE COMPOSITIONS
; TITLE OF INVENTION: COMPRISING GM-CSF AND METHODS OF MODULATING AN IMMUNE
; NUMBER OF INVENTIONS: RESPONSE USING SAME
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL & FLORES, LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92121
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/902,516
; FILING DATE: 29-JUL-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-IM 2442
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)535-9001
; TELEFAX: (619)535-8949
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-902-516-47
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Query Match 100.0%; Score 52; DB 2; Length 38;

Best local Similarity 20.0%; Pred. No. 84;

Matches 4; Conservative 16; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 20

DB 16 CACCCACCCGCTCACCCATC 35

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RESULT 2
PCT-US96-01720-7
; Sequence 7, Application PC/TUS9601720
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: MODIFIED-AFFINITY STREPTAVIDIN
; NUMBER OF SEQUENCES: 11
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/01720
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/387,055
; FILING DATE: 09-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990
; REFERENCE/DOCKET NUMBER: 16336-5PC
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-01720-7

Query Match          100.0%; Score 52; DB 4; Length 41;
Best Local Similarity 20.0%; Pred. No. 90;
Matches 4; Conservative 16; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 20
|:|:|:|:|:|:|:|:|:|:|:|
Db 16 CCGGCACCGACGACGCTAAC 35

RESULT 3
PCT-US96-08811-2
; Sequence 2, Application PC/TUS9608811
; GENERAL INFORMATION:
; APPLICANT: VERNON, Leo P., RAEL, Eppie D. and
; APPLICANT: GASANOV, Sardar F.
; TITLE OF INVENTION: Pyruvate thionin containing
; TITLE OF INVENTION: Immunotoxins and immunotoxin-like compounds
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MADSON & METCALF
; STREET: 950 First Interstate Building, 170 South
; STREET: Main Street
; CITY: Salt Lake City
; STATE: Utah
; COUNTRY: USA
; ZIP: 84101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08811
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: L. Craig Metcalf
; REGISTRATION NUMBER: 31,398
; REFERENCE/DOCKET NUMBER: 1771.2.1a
; TELECOMMUNICATION INFORMATION:
```

```
TELEPHONE: (801) 537-1700
TELEFAX: (801) 537-1799
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47
; TYPE: amino acids
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL:
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Pyruvate pubera
; TISSUE TYPE: leaves and nuts
; PUBLICATION INFORMATION:
; AUTHORS: Vernon, Leo P., Evelt, Gary E., Zeikus,
; TITLE: A Toxic thionin from Pyruvate pubera:
; TITLE: Purification, properties, and Amino Acid Sequence
; JOURNAL: Archives of Biochemistry and Biophysics
; VOLUME: 238
; ISSUE: 1
; PAGES: 18-29
; DATE: April 1995
PCT-US96-08811-2

Query Match          100.0%; Score 52; DB 4; Length 47;
Best Local Similarity 20.0%; Pred. No. 1e+02;
Matches 4; Conservative 16; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXCXXXXXXXXXXCXXC 20
|:|:|:|:|:|:|:|:|:|:|:|
Db 12 CYNVCRLPQTISRHCARKC 31

RESULT 4
US-08-369-829A-1
; Sequence 1, Application US/08369829A
; Patent No. 5861377
; GENERAL INFORMATION:
; APPLICANT: Hans Filtz
; APPLICANT: Christian Sommerhoff
; APPLICANT: Jutta Helm
; TITLE OF INVENTION: No. 5861377el Inhibitor
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5861377artls Corporation
; STREET: 59 Route 10
; CITY: East Hanover
; STATE: New Jersey
; COUNTRY: US
; ZIP: 07936
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/369,829A
; FILING DATE: 6-JAN-95
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EPO 94810006.0
; FILING DATE: 7-JAN-94
; ATTORNEY/AGENT INFORMATION:
; NAME: NO. 5861377ak, Henry P.
; REGISTRATION NUMBER: 33200
; REFERENCE/DOCKET NUMBER: 4-19942/A/DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 277-5110
; TELEFAX: (908) 277-4306
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
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Query Match 100.0%; Score 52; DB 2; Length 61;  
Best Local Similarity 20.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 16; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXXXXXXCXXC 20  
|::|::|::|::|::|::|::|  
Db 29 CKKSCCPCVGCACACG 48

## RESULT 15

US-09-123-850-6  
; Sequence 6, Application US/09123850  
; Patent No. 5955428  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; City: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/123,850  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/785,530  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0194 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 305363  
; US-09-123-850-6

Query Match 100.0%; Score 52; DB 2; Length 61;  
Best Local Similarity 20.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 16; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXXXXXXCXXC 20  
|::|::|::|::|::|::|::|  
Db 29 CKKSCCPCVGCACACG 48

Search completed: March 1, 2001, 16:19:17  
Job time: 510 sec

